

## 1. User guide for Sentiment Analysis

This guide explains how to use the for-text analysis. It includes step-by-step instructions, examples, and troubleshooting tips.

1. Click on the link and the dashboard will pop up

[Streamlit](#)

The screenshot shows a Streamlit application window titled "Sentiment Analysis Dashboard". On the left, there is a sidebar with a dark blue background and white text titled "About". It contains the following bullet points:

- **Confidence Threshold:** Scores < 0.6 may indicate uncertainty.
- **Limitations:** Handles English best; may misclassify sarcasm or slang.
- Built with Hugging Face and Streamlit.

The main dashboard area has a light blue background. At the top center, there is a dark blue button with a white "pencil" icon and the text "Sentiment Analysis Dashboard". Below this, the title "Sentiment Analysis Dashboard" is displayed in a large, bold, dark font. A descriptive subtitle follows: "Analyze emotional tone in customer reviews, social media, or text data. Supports batch processing and comparisons." A horizontal line separates this from the input section. The input method is set to "Direct Entry" (radio button selected). There is a text input field labeled "Enter text (one per line for batch)". In the bottom right corner of the dashboard area, there are two small icons: a blue one with a circular arrow and a red one with a checkmark.

2. Scroll down to the part where you will see the input method and part where you enter the text.

The screenshot shows the same Streamlit application window as the previous one, but it is now scrolled down to the input section. The sidebar "About" is visible on the left. The main dashboard area shows the "Input Method" section, which includes a radio button for "Direct Entry" (selected) and another for "File Upload". Below this is a text input field with the placeholder "Enter text (one per line for batch)". Further down, there is a yellow button labeled "Analyze Sentiment". At the very bottom of the dashboard area, there is a light blue bar with the text "Enter or upload text to analyze." A horizontal line separates this from the footer. The Streamlit navigation bar at the top includes icons for back, forward, search, and other functions, along with "Fork", "Edit", and "Share" buttons.

3. The Direct Entry is when you enter the text that you will review if it is positive, or negative

The screenshot shows a Streamlit application interface. On the left, a dark sidebar contains the word "About" and a bulleted list:

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The main area has a light blue background. At the top right are three icons: "Fork", a user profile, and a three-dot menu. Below the sidebar, the text "comparisons." is followed by a horizontal yellow line. Under "Input Method", there are two radio buttons: "Direct Entry" (selected) and "File Upload". A text input field below is labeled "Enter text (one per line for batch)". Another horizontal yellow line follows. A yellow button labeled "Analyze Sentiment" is centered. Below it is a light blue input field with the placeholder "Enter or upload text to analyze." A horizontal yellow line is at the bottom. In the bottom right corner, there are two small icons: a white "i" inside a blue circle and a white crown inside a red square.

4. You drag and drop the file or you browse the file in your file explorer. It will analyse the file to distinguish the negative or positive review.

5. A positive review with the pie chart analysis, analysis results and comparative analysis.

## About

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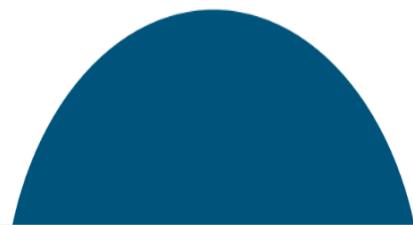
## Analysis Results

	Text	Sentiment	Confidence	Explanation
0	"Camera takes amazing photos! Fast delivery and great packaging."	POSITIVE	0.9854	Key drivers: a

## Sentiment Distribution

This pie chart shows the proportion of each sentiment (Positive, Negative, Neutral) detected in your input data.

Sentiment Distribution



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Sentiment Distribution

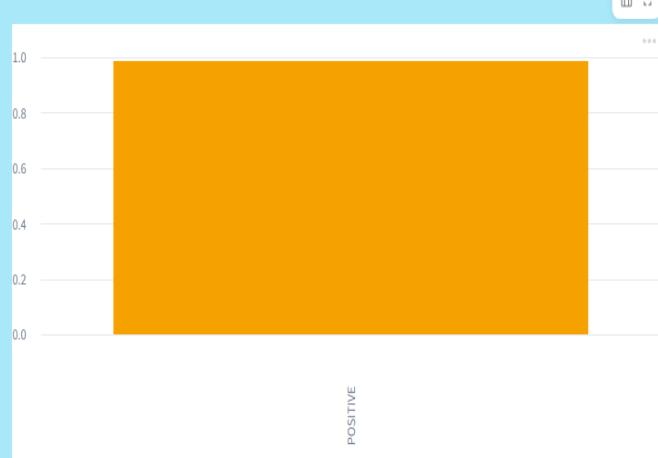
POSITIVE  
100.0%

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## Comparative Analysis

The bar chart below compares the average confidence scores for each sentiment category. Higher scores indicate stronger model certainty.



Average confidence scores across sentiments for comparison.

## 6. You can choose the file you want to export the results

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Average confidence scores across sentiments for comparison.

## Export Results ↗

[Download CSV](#)

[Download JSON](#)

[Download PDF](#)

7. The option to use the drag and drop the file with the pie chart analysis, analysis results and comparative analysis.

The screenshot shows the 'Sentiment Analysis Dashboard' interface. On the left, a dark sidebar contains an 'About' section with bulleted information about confidence thresholds, limitations, and the built-in Hugging Face and Streamlit. The main area has a light blue background. At the top, the title 'Sentiment Analysis Dashboard' is displayed. Below it, a subtitle reads 'Analyze emotional tone in customer reviews, social media, or text data. Supports batch processing and comparisons.' A horizontal line separates this from the input method section. Under 'Input Method', there are two options: 'Direct Entry' (unchecked) and 'File Upload' (checked). A file upload input field shows a CSV file named 'takealot\_tech\_reviews\_no\_ratings.csv' (22.0KB). To the right of the input field is a 'Browse files' button and a close 'X' button. Another horizontal line separates this from the 'Analyze Sentiment' button. At the bottom right of the main area are three small icons: a blue gear, a red crown, and a white question mark.

The screenshot shows the 'Analysis Results' section of the dashboard. The main area has a light blue background. At the top, there is a large orange 'Analyze Sentiment' button. Below it, the title 'Analysis Results' is centered. A table displays the sentiment analysis results. The table has columns for index, text, sentiment, and confidence. The data is as follows:

	Text	Sentiment	Confidence
0	1,2025-01-15,Smartphone,"Purchased a new smartphone from Takealot. The phone is fast and reliable."	POSITIVE	0.9588
1	2,2025-01-16,Laptop,"Ordered a laptop, but it arrived with a scratched screen. Customer service was helpful."	NEGATIVE	0.9292
2	3,2025-01-17,Headphones,"Amazing sound quality on these headphones! Fast delivery."	POSITIVE	0.9837
3	4,2025-01-18,Smartwatch,"The smartwatch is decent, but the battery life is shorter than expected."	NEGATIVE	0.8515
4	5,2025-01-19,Tablet,"Received a tablet that was clearly used, not new as described. Not satisfied."	NEGATIVE	0.9089
5	6,2025-01-20,Gaming Console,"Console works perfectly, and my kids love it. Delivery was fast."	POSITIVE	0.9748
6	7,2025-01-21,TV,"Bought a 55-inch TV during a sale. Price was unbeatable, and delivery was quick."	POSITIVE	0.9684
7	8,2025-01-22,Wireless Router,"Router stopped working after a week. Customer service was unresponsive."	NEGATIVE	0.8681
8	9,2025-01-23,External Hard Drive,"Great storage capacity and speed. Delivery was a bit slow."	POSITIVE	0.9626
9	10,2025-01-24,Smart Speaker,"The speaker has good sound, but setup was tricky. No manual included."	NEGATIVE	0.8687

At the bottom, there is a section titled 'Sentiment Distribution' with three small icons: a blue gear, a red crown, and a white question mark.

